

Product Performance Data Evaluation Report
By Kevin J. Sweeney, Senior Entomologist, Insecticides Branch

Kevin J. Sweeney
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Date: August 23, 2010

Reviewer: Linda DeLuise

Product: Evercide Permethrin 2.5 Permethrin Concentrate/repellent

EPA Registration No.: 1021-1758

PM: Richard Gebken, PM 10

Decision: 431387

DP No: 376562

OPPTS Guideline: 810.3500

Insecticides: permethrin (PC code 109701) 2.5%

App rate: Many rates listed on the label. The subject use pattern uses a 0.5% permethrin solution to treat clothing.

Formulation: soluble concentrate

GLP studies: No

Pests: many pests on label but current amend addresses activity against ticks, chiggers, and mosquitoes

Use pattern/application rate: This label has many use patterns but the use pattern that is the subject of this amendment is treatment of clothing.

Review of Submitted Studies:

MRID 48052701 Schrek C.E, E.L. Snoddy, and A. Spielman. 1986. Pressurized Sprays of Permethrin or DEET on Military Clothing for Personal Protection against *Ixodes dammini* (Acari: Ixodidae)

This is a published study from the Journal of Medical Entomology against one tick species only. The study did not measure the longevity described on the subject label, nor was residual effectiveness examined. Much of the literature and data on permethrin clothing treatment reside in the public domain.

Entomologist's Recommendation:

1. I recommend that the registrant use the "Cite-All" method for efficacy data. The submitted data are rated as supplemental/non-guideline.